Bumjin Gil

List of Publications by Year
in descending order

18 papers	580 citations	623734 14 h-index	888059 17 g-index
20 all docs	20 docs citations	20 times ranked	615 citing authors

#	Article	IF	Citations
1	Evolution of the Electronic Traps in Perovskite Photovoltaics during 1000 h at 85 Â°C. ACS Applied Energy Materials, 2022, 5, 7192-7198.	5.1	13
2	A Cu₂Oâ€“CuSCN Nanocomposite as a Hole-Transport Material of Perovskite Solar Cells for Enhanced Carrier Transport and Suppressed Interfacial Degradation. ACS Applied Energy Materials, 2020, 3, 7572-7579.	5.1	52
3	Metalâ€Coordination Mediated Polyacrylate for High Performance Silicon Microparticle Anode. Batteries and Supercaps, 2020, 3, 1287-1295.	4.7	15
4	Incorporation of Lithium Fluoride Restraining Thermal Degradation and Photodegradation of Organometal Halide Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 50418-50425.	8.0	27
5	CuCrO2 Nanoparticles Incorporated into PTAA as a Hole Transport Layer for 85 Â°C and Light Stabilities in Perovskite Solar Cells. Nanomaterials, 2020, 10, 1669.	4.1	33
6	Highly effective III-V solar cells by controlling the surface roughnesses. Current Applied Physics, 2020, 20, 899-903.	2.4	6
7	Triamineâ€Based Aromatic Cation as a Novel Stabilizer for Efficient Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1905190.	14.9	48
8	Recent Progress in Inorganic Hole Transport Materials for Efficient and Stable Perovskite Solar Cells. Electronic Materials Letters, 2019, 15, 505-524.	2.2	62
9	Selective removal of nanopores by triphenylphosphine treatment on the natural graphite anode. Electrochimica Acta, 2019, 326, 134993.	5.2	15
10	Aminosilaneâ€Modified CuGaO₂ Nanoparticles Incorporated with CuSCN as a Holeâ€Transport Layer for Efficient and Stable Perovskite Solar Cells. Advanced Materials Interfaces, 2019, 6, 1901372.	3.7	43
11	Interfacial Modification and Defect Passivation by the Cross-Linking Interlayer for Efficient and Stable CuSCN-Based Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 46818-46824.	8.0	82
12	From Nanostructural Evolution to Dynamic Interplay ofÂConstituents: Perspectives for Perovskite Solar Cells. Advanced Materials, 2018, 30, e1704208.	21.0	54
13	Selective rear contact for Ga0.5In0.5P- and GaAs- based solar cells. Solar Energy Materials and Solar Cells, 2018, 182, 348-353.	6.2	17
14	Complementary surface modification by disordered carbon and reduced graphene oxide on SnO2 hollow spheres as an anode for Li-ion battery. Carbon, 2018, 129, 342-348.	10.3	41
15	Organometal Halide Perovskites: From Nanostructural Evolution to Dynamic Interplay ofÂConstituents: Perspectives for Perovskite Solar Cells (Adv. Mater. 42/2018). Advanced Materials, 2018, 30, 1870313.	21.0	0
16	Synergetic effect of double-step blocking layer for the perovskite solar cell. Journal of Applied Physics, 2017, 122, .	2.5	17
17	Route to Improving Photovoltaics Based on CdSe/CdSe_{<i>x</i>}Te_{1â€“<i>x</i>} Type-II Heterojunction Nanorods: The Effect of Morphology and Cosensitization on Carrier Recombination and Transport. ACS Applied Materials & Interfaces, 2017, 9, 31931-31939.	8.0	14
18	Insights on the delithiation/lithiation reactions of Li Mn0.8Fe0.2PO4 mesocrystals in Li+ batteries by in situ techniques. Nano Energy, 2017, 39, 371-379.	16.0	41